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**MAR ATHANASIOS COLLEGE FOR ADVANCED STUDIES TIRUVALLA
(MACFAST)
Thiruvalla - 689101**

WASTE RECYCLING SYSTEM





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**MAR ATHANASIOS COLLEGE FOR ADVANCED STUDIES TIRUVALLA
(MACFAST)
Thiruvalla - 689101**

WASTE RECYCLING SYSTEM

The college installed an odour-free, eco-friendly Sewage Treatment Plant in the premises of the boys' hostel for treatment, recycling and reusing of waste water. Bio-filtration, aeration and oxidation are the major stages of treatment. The tank capacity is 25,000 litres and the treated water is used for gardening purpose.



WASTE WATER MANAGEMENT

The college has installed a Sewage Treatment Plant (STP) in the premises of the boy's hostel, through which the waste water is processed and the treated water is used for gardening.

| | |
|----------------------------|---|
| Source | Wastewater from bathrooms and kitchen |
| Purpose | Conservation of water |
| Treatment procedure | 3 stages ➤ Bio filtration ➤ Aeration ➤ Oxidation |
| Screening procedure | Primary treatment, Chemicals used (Caustic soda and Chlorine) |
| Outcome | Filtered water |
| Tank capacity | 25000 liters |
| Implementation cost | Rupees 18 lakhs |



TAX INVOICE

| | | | | |
|--|-----------------------|---------------------|-----------------------|---------------------|
| MINERAL MAX 9/427A, EARVADY BUILDING CHEERANCHIRA P O CHANGANASSERY KOTTAYAM 686106 MOBILE:9744907385,9072913020 E-Mail:mineralmax.in@gmail.com GSTIN/UIN:32DECPR0341C176 | Invoice No. | 3123 | Dated | 20-SEP-2010 |
| | Delivery Note | | Mode/Terms Of Payment | IMMEDIATE |
| | Suppliers Reference | | Other References | |
| | Buyers Order No. | | Dated | |
| BUYER M/s MACFAST COLLEGE THUKALASSERY THIRUVALLA 689101 | Despatch Document No. | | Delivery Note Date | |
| | Despatched Through | KL 33 D 6636 | Destination | THUKALASSERY |
| | Terms Of Delivery | TO PAY | | |

| Sl. No | Description of Goods | HSN/SAC | GST Rate | Qty | Rate | Per | Disc % | Amount |
|--------------|--|---------|----------|-----|----------|-----|--------|-----------------|
| 1 | Revamping of STP Servicing of pumps panels, tubing etc | | 9% | 1 | 14068.00 | LOT | | 14068.00 |
| | CGST | | 9% | | | | | 1266 |
| | SGST | | | | | | | 1266 |
| TOTAL | | | | | | | | ₹ 16,600 |

Amount Chargeable(in words) : **SIXTEEN THOUSAND AND SIX HUNDRED ONLY**

| HSN/SAC | Taxable Value | Central Tax | | State Tax | | Total Tax Amount |
|--------------|---------------|-------------|-------------|-----------|-------------|------------------|
| | | Rate | Amount | Rate | Amount | |
| 84212190 | 14068.00 | 9% | 1266 | 9% | 1266 | 2532 |
| TOTAL | | | 1266 | | 1266 | 2532 |


Tax amount (in words): **TWO THOUSAND FIVE HUNDRED AND THIRTY TWO ONLY**

Declaration
 We declare that this invoice shows the actual price of the goods described and that all particulars are true and correct

Company's Bank Details
 Bank Name :
 Account No :
 Branch :
 IFS Code :

Customers Seal and Signature

Prepared by _____ Verified by _____


Mineral Max
 9/427A, Earvady Building
 Cheeranchira P.O., Changanassery
 Kottayam-686 106

This is a Computer Generated Invoice

Phone: 100227

(Work Completed)

True Copy





KERALA STATE POLLUTION CONTROL BOARD

FILE NO. :PCB/PTA/ECO/118/2014

Date of issue :26/09/2018

INTEGRATED CONSENT TO OPERATE - RENEWAL

Consent No : ECO/PTA/87/R1/2018

Ref : 1. CONSENT NO-ECO/PTA/87/2014,ISSUED ON-20/06/2014,VALID UPTO-31/12/2016

2. APPLICATION NO-6668464,SUBMITTED ON-2/08/2018

The ' Integrated Consent to Operate' issued as per reference above to M/s Mar Athanasios College of Advanced Studies (MACFAST) Boy's Hostel, Tholassery, Thiruvalla Pathanamthitta is hereby renewed up to 31/12/2023 and issued to M/s Mar Athanasios College of Advanced Studies (MACFAST) Boy's Hostel, Tholassery, Thiruvalla Pathanamthitta The consent(s)/ variation order(s) cited under reference are integral part of this renewal order and this order is subject to the conditions stipulated therein and the following modifications/ additions.

I. GENERAL

| S.No. | Items | Description |
|-------|----------------------------------|------------------------|
| 1 | 1.1. Validity | 31/12/2023 |
| 2 | 1.1.a. Month and year of renewal | 30/09/2023 |
| 3 | 1.10.Category | ORANGE |
| | 1.12 Fee Slab/Fee Remitted | Rs.26000/- Rs.195000/- |
| 5 | 1.13.Capital Investment | 200 LAKHS |

II. Stack Details

| Stack No. | Source of Emission | Emission Rate(Nm3/Hr) | Stack Height above | | Control Equipment |
|-----------|--------------------|-----------------------|-------------------------|-----------------------|-------------------|
| | | | Ground Level(In Meters) | Roof Level(In Meters) | |

III. CONDITIONS

1. This consent is granted based on the application, affidavit and particulars submitted by the applicant and subject to the power of the Board to review and make variation in or revoke the conditions as the Board deems fit.

2. The Consent unless withdrawn earlier and subject to condition no.1 shall be valid up to 31/12/2023. For renewal of consent, online application in the prescribed form shall be submitted to the Board on or before 30/09/2023 along with copy of this consent. Late applications will be accepted only with a fine/late fee as per norms.

3. The sewage treatment plant shall be operational at all times.

4. The treated sewage shall be disposed through dispersion/soak pit arrangements.

5. The unit shall fully comply with the provisions of the Water (Prevention & Control of Pollution), Act, 1974; the Air (Prevention & Control of Pollution) Act, 1981 ; the Environment (Protection) Act, 1986, the Environment (Protection) Rules, 1986; the Solid Waste Management Rules, 2016; the E-Waste (Management) Rules, 2016; the Plastic Waste Management Rules, 2016, the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016; the Construction and Demolition Waste Management Rules, 2016 and the Batteries (Management and Handling) Rules, 2001 as amended till date and as applicable to the unit.

6. Condition no. II of this consent is deleted.

All other conditions of the Integrated Consent to Operate issued as per reference above remain unchanged.

DATE :26/09/2018

SIGNATURE & SEAL OF ISSUING AUTHORITY
ENVIRONMENTAL ENGINEER, District Office,
Pathanamthitta



To

CHERIAN JOHN
KOTTAYIL
PERUMPETTY
PATHANAMTHITTA
PIN-689592

1. This digitally signed document is legally valid as per the Information Technology Act 2000

2. For verifying this document please go to krocmmms.nic.in and search using date of issue/name of the unit/Application Number in "Consent Granted Applications" link in the home page of the Board's Online Consent